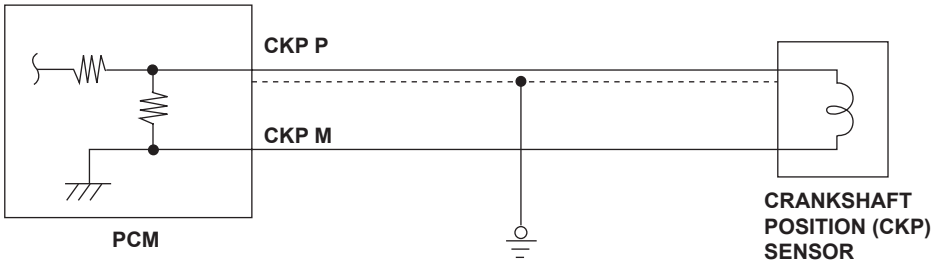
Advanced Diagnostics

DTC P0335: Crankshaft Position (CKP) Sensor No Signal



P0335-9604

General Description

The crankshaft position (CKP) sensor detects crankshaft revolutions and outputs a pulsing signal to the powertrain control module (PCM). The PCM determines the crank angle and engine speed from the signal. The CKP sensor determines fuel injection timing and ignition timing for each cylinder, and it is also used to detect engine speed.
If no signals from the CKP sensor are detected, the PCM detects a malfunction and a DTC is stored.

Monitor Execution, Sequence, Duration, DTC Type

Execution	Continuous
Sequence	None
Duration	—
DTC Type	One drive cycle, MIL ON

Enable Conditions

Condition	
State of the engine	Running
No active DTCs	CKP, TDC

Malfunction Threshold

The number of times that no CKP sensor pulses are detected has been continuously counted 75 times.

Diagnosis Details

Conditions for illuminating the MIL
When a malfunction is detected, the MIL comes on and the DTC and the freeze frame data are stored in the PCM memory.

Conditions for clearing the MIL
The MIL will be cleared if the malfunction does not recur during three consecutive trips in which the diagnostic runs.
The MIL, the DTC, and the freeze frame data can be cleared by using the scan tool Clear command or by disconnecting the battery.